

FREE

November 2013

# gadgetfreak

A Gadget Magazine

<http://gadgetfreak.in>

Vol-1 Issue 6



Cover Story

**Basics of PHOTOGRAPHY**

ipad mini retina

lg q pro lite dual

solid state drives

micromax canvas turbo

Review

Bionee Elife E6



**Mobile  
Gaming Controller**

News / Cool Gadgets / Hardware / Apps

**Share N Win  
CONTEST a chungah**



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T khawvelah kan cheng tawh tih chu sawi ngai lovin kan hre hne hlei hlui awm e. Mizoram hi IT lamah eng ang chiaha aware nge kan nih erawh chu India ram state dangte thlirin kan dinmun a san leh san lo kan in teh ngai em le... Mizoram State hian IT department pakhat kan nei a, chu chu Information and Communication Technology tih a ni a, Treasury Square ah a awm a ni. IT Project tlem te kan nei ve mek a, chung zingah chuan SWAN project hi Mizoram tana thil tangkai tur a ni. SWAN hmang hian Mizoram hmun tin Internet hmangin min thlun zawm dawn a, hemi hmang hian Video Conference leh Distance education te awlsam takin kan nei thei tawh ang. Tunah e-District leh Common Service Center kan nei mek bawh a, heng hi a hmangtu mipui te hian kan hlut a tha hle awm e. Central Sorkar hnua ah National Informatics Center (NIC) an awm bawh a. Heng hian Mizoram Sorkar nasa takin a pui ve mek bawh a. IT related hna leh 20Gbps internet pawh sorkar office leh Institution ah a sem chhuak chur chur bawh a ni. Tin, kan hma lawk Mizoram inthlanpui (Election) kan hmachhawn dawn a. Hetah hian software leh Hardware changkang tak tak - EVM te, VVPAT, DISE software, SMS Monitoring System te hman a ni a. Hengte hi tun inthlan tur atan thil tangkai em em a ni a, a tello hian inthlan hi kan hmachhawn thei dawn lo a ni. Heng bakah hian Private IT firms kan nei nual bawh a ni.

Hetiang kawngah hian ke kan pen ve viau tawha a lan lain a sorkar ang chuan IT lamah kan la hnufual hle lawi si! Mizoram sorkar hnuaia thawktu sang hovina IT hming kan hlau dek chung te, IT neitu department ina hnathawk lak chungchanga thui tak an inrawh ta mai te mipui kaah hriattur a awm ta zeuh zeuh mai hi kan inenfiah a ngai hle in a hriat. Induhsak a hnekin zirlai chhuak thar thiam tak tak te kawng tipingtu nih lah kan hreh tawh hek lo. State zau zawk kan en chuan department tinin IT cell an nei vek a, chutihlai chuan keini state chuan IT cell pawh kan nei hlei thei lo va. Hei hi tunah Sorkar hnathawk thuneitutena IT lam kan hmelhriat loh luat vang a ni thei mai angem? Paper work ringawt in kan kal char char thei dawn lo tih a Chiang a, chuvang chuan heng kawngah hian rilru thar neia IT lama hmalam pen hi kan tihmakmawh a ni tih hi kan hriat a tul hle awm e.

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# CONTENT

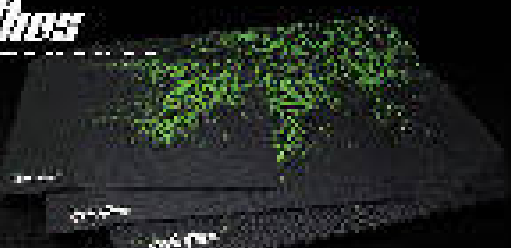
|             |   |    |
|-------------|---|----|
| Radio       | Chanchinthar  | 05 |
| Toys        | Cool Gadgets  | 08 |
| Choice      | Mobile Gaming Controller  | 10 |
|             | Apple iPad Air VS Microsoft Surface 2 VS Nokia Lumia 2520 VS Samsung Galaxy Note 10.1 | 13 |
|             | Karbons Smartphone Chhuaktharte   | 16 |
| Cover Story | Basics of Photography   | 18 |
| Hardware    | iPad Mini Retina  | 22 |
|             | LG G Pro Lite Dual  | 23 |
|             | Micromax Canvas Turbo   | 24 |
|             | Khawl Lawrkhawm   | 25 |
|             | Sony CyberShot QX10 leh QX100   | 28 |
| Feature     | Solid State Drives  | 30 |
|             | MOTHERBOARD hre chhang rawh le  | 32 |
| Review      | Gionee Elife E6   | 34 |
| Apps        | Apps Lawrkhawm  | 36 |
| CONTEST     | Share N Win   | 41 |

**Razer**  
*Black Widow*  
 100% mechanical gaming keyboard



**FEEL THE DIFFERENCE**

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the only mat for the hardcore



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## Angry Birds Go

Angry Birds game thar a awm dawn a, December thlaa tihchhuah tur a ni. Game thar hi racing game (downhill racing) tur a ni. Gameplay trailer pawh entur a awm tawh. 2016 a Angry Birds movie tihchhuah tum bakah, Rovio hian India in benbel deuh deuh a tum khawp mai; Rovio hian Bata nen thawkdun tanin naupang bun tur chi Angry Birds branded an siam dawn a, digital content lamah Hungama nen thawkdunin Telepods lamah Hasbro nen an thawk dawn baw a ni.



## Google in Hummingbird Algorithm a hmang thar

Kum 2010 atang khan Google chuan Cafeine search algorithm a hmang a, tunhnai mai khan Hummingbird search algorithm hi a hmang thar a ni. Hmuh harsa tur tak tak pawh a zawng hmu awlsam zawk a, zawhna pawh chhanna tha zawk a pe thei a ni. Tin, smartphone atanga voice search hmangtu an pun zel avangin he algorithm hian thil duh a zawng hmu awlsam zawk tura ngaih a ni.



## Adobe Database Hacked a ni

Tunhnai mai khan Adobe database chu beih (cyber attack) niin 2.9 million customer-te hming (ID leh password), credit leh debit card (encrypted) number, expiration date leh information dangte ruk a ni nual niin an sawi. Mahse debit card leh credit card (decrypted) number te chu engmah a bo lo an ti. He thil thleng avang hian Adobe chuan customer-te password reset turin a ngen a, USA customer bikte tan kum khat chung a thlawnin credit card monitoring an tih-sak dawn a ni.

## Apple-in India-ah tan a la

Samsung leh Indian manufacturer ten Indian market hi an luah deuh ber. Chuvangin Apple chuan market zauh tumin Apple dawr bik 100 lai hawn a tum. Khawpui liante chauh tumbik loin khaw te lamah pawh thawhpui (partner) tur an zawng mek a ni.

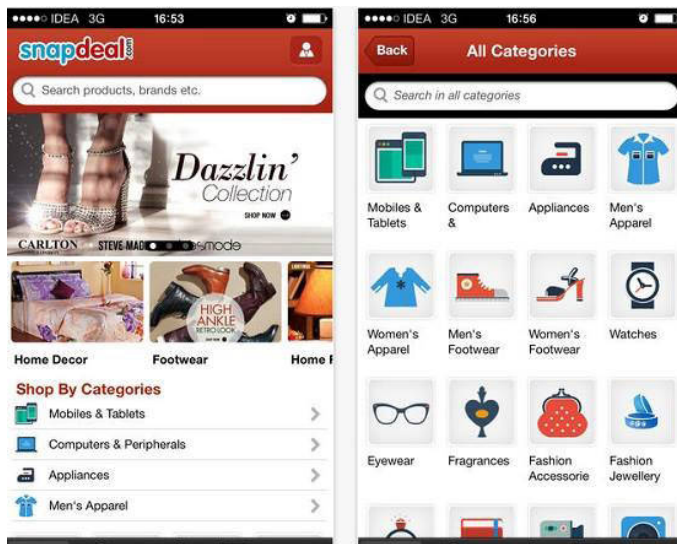


## TRAI in Operator-te MNP hmang vek turin a ngen nawn

Feb 2013 hmaa India ram chhunga MNP (mobile number portability) hman theih vek tura tih chu hmang ala nih loh avangin TRAI (Telecom Regulatory Authority of India) chuan operator-te thla ruk chhunga hmang vek turin a ngen a ni. Tuna kalpui a nih dan chu operator circle bikah chauh a hman theih rih a, state danga zin chuan sim card dang hman leh tho a ngai a ni. Tuna mi hi an tih hlawhtlin chuan MNP hmangtute state dang danga an zin pawhin harsatna a awm tawh lovang.

### Mobile atanga Snapdeal-a thil leitu an tam

Snapdeal chuan an site atanga thil leitu 30 percent te chuan mobile atangin an lei niin an sawi a, thla 12 chhungin a let 10 laiin a pung a ni. Site hi thla khatah thlawhtu 12 million lai an awm. Mobile transaction 75 percent chu cash on delivery a ni a, 25 percent chu prepaid a ni thung. Snapdeal hman nasatna te chu Delhi, Mumbai, Chennai, Kolkata, Bangalore leh Hyderabad te an ni.



### Windows 8.1 update a chhuak

October 17 khan Windows 8.1 update tih-chhuak a ni a, windows hmangtute ngenna angin update ah hian thil tihdanglam a awm nual a ni. Windows hmasa te a Start button ang chiah chu nilo mahse, Start button a awm leh tawh a, tin, computer boot tira 'tile menu' lang lo in 'Desktop mode' zawka boot turin a tih theih bawk a ni.

### Railtel in Railwire broadband service pek a tum

Indian Railway telecom branch RailTel chuan thingtlang leh hmun kilkhawr deuhah pawh broadband service, 'Railwire' chu pek vek a tum. Karnataka, Tamil Nadu leh Kerala-a customer 6000 ah enchhin a ni tawh a ni. Optical Fibre Cable pawh zam mek a ni a, khaw 4200 (thingtlang teling) a tuam tawh a ni. Railway station a passenger hman theih tura Wi-Fi dah pawh an hmachhawp a ni.

### Micromax Ambassador atan Hugh Jackman

Micromax chuan an ambassador atan Indian milar thlang lovin Hollywood a milar Australian actor, Hugh Jackman an thlang. Micromax CMO chuan khawvel a inzarpah zel kan tum avangin Hugh Jackman-a nena thawh dun hi a tha dawnin kan hria a ni a ti. Hugh Jackman pawhin India chu khawvela ram nuam, mite tlawh chak leh himawm tak a ni a, tin cricket kan ngainat dunna te avang pawhin he Indian company Micromax nena thawhdun a phur thu a sawi ve bawk.



### India-ah Mac Pro thar December thlaah

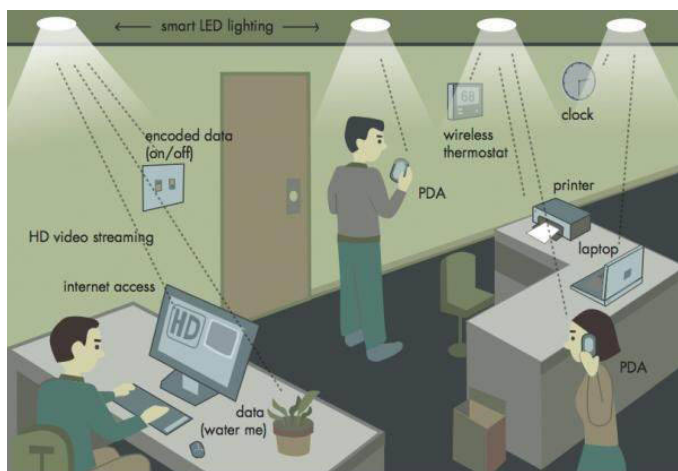
Mac Pro hi ₹2,29,900 atanga intan tur a ni a, duh anga configure in a order theih bawk ang. Tuna aman kan rawn tarlan configuration chu: 3.7 GHz quad-core Intel Xeon E5 processor (Turbo Boost speeds up to 3.9 GHz), dual AMD FirePro D300 GPUs tan 2GB of VRAM ve ve, 12GB RAM leh 256GB flash storage (PCIe) a ni.





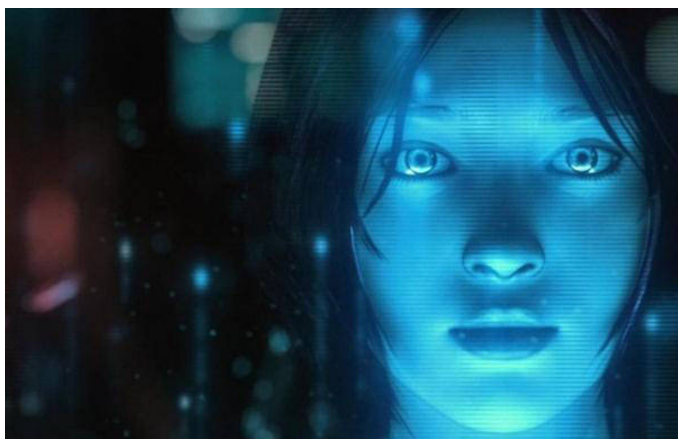
### China in Li-Fi Network a siam

Li-Fi tih tawngkam phuahtu hi Harald Hass, Uninersity of Edinburgh, Britain ami a ni. Chinese scientist-te chuan Wi-Fi ang thoin internet signal chu light bulb hmanga kaltir theih a ni tih hmuchhuak. Signal chu Wi-Fi anga radio frequency hmanga kal ni toh loin bulb eng hmanga kaltir a ni zawk ang. Reasearch hi la kalpui zel niin bulb pakhat in computer pali chawm thei tur anga chhut a ni a, speed pawh 150 megabits per second vel a ni. China International Industry Fair-ah a sample phochhuah tum a ni nghe nghe.



### Microsoft in Cortana apps a siam dawn

Windows phone 8.1 ah Cortana apps hi telh tum niin an sawi. Apple in Siri a siam a, Google in Google Now, chuan Microsoft in Cortana a siam ve ta a ni. Cortana hi Halo game a Al hming a ni. Apple Siri aini a tha zawk niin an sawi a, nakum kum tir lampang a tihchhuah tur niin an sawi bawh.



### BBM Android leh iOS tan

Blackberry Ltd. chuan a messenger lar tak Blackberry Messenger (BBM) chu android leh iPhone device tan a siam ve ta. Release a nih hma kar hian android leh iPhone hmangtute 6 million lai BBM.com-ah anlo in-register lawk a ni. Heta in register lawkte hian BBM an hmang thei nghal a, midang erawh chu 'line-up system' a kalpui a ni.



### Lenovo-ah Ashton Kutcher a thawk

Lenovo hi US-ah chuan tech company zinga celebrity la ruailo tlemte zinga mi a ni. Mahse tunah chuan Product Engineer atan Ashton Kutcher an ruai ve ta. Ashton hi technology lamah a tui hle a, Lenovo Chief Marketing Officer pawhin 'ultimate super user' a ni a ti. Consumer te mamawhna a hrethiam a, product siamna kawngah a tangkai em em a, celebrity a nihna hian marketing lamah min pui leh zel bawh tiin a sawi a ni. Lenovo Yoga tablet 'ad' ah pawh Kutcher hi a lang nghe nghe.



## Clingo Game Wheel



Racing game khelh nana siam a ni. Phone chu hmeh bei mai tur a ni a, eng phone pawh a hmang thei vek a ni. Khawiah pawh lekchhuah mai a awl-sam a, Asphalt, Need for Speed, Real Racing etc. game khelh a tih nawm phah hle a ni.

**Price: ₹1,450**



## Self Stir Mug

Stainless steel a ni a, chhin phui tha tak a nei bawk. A danglamna tak chu fian hmanga chawh a ngai ve lo: a mawngah hian plastic disk vir thei a awm a ni. AAA battery pahinh a hmang a, ON-na chu no bengah a awm. Tihfai dawn pawhin surf/sahbawn tur leih luha tihvir leh mai tur a ni.

**Price: ₹999**



## Life Phorm

Tablet, smartphone leh camera holder a ni. Maimawm pian anga siam niin a ke te chu a thleh kual vek theih a, hmanthiam dan a zirin a tangkai em em a ni. Part leh adapter hranpa a ngai tawhlo a, device size hran hran tan pawh a adjust zung zung theih a ni.

**Price: ₹2,999**



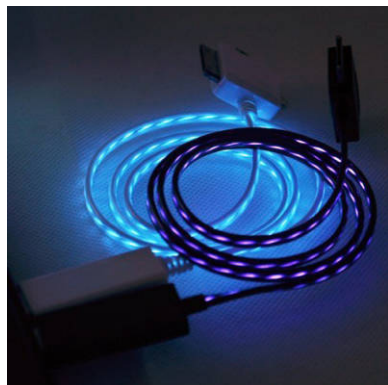




## Retro Phone

Smartphone changkang takte chu hmanlai phone angin a hman theih a ni. Phone chu vuah mai tur a ni a, handset chu 3.5mm adapter hmanga connect mai tur a ni. 'Call' awlsam taka lak mai theih turin handset-ah 'answer button' a awm a ni.

**Price: ₹1,599**



## LuminEL

Cable hi a eng thei a, phone-in charge a mamawh tam poh leh light chu a kal chak a, charge a full chuan a ding mai; indicator tha tak a ni. Charger cable leh data cable atan a hman theih. Cable eng hian current a mamawh tlem em em a, power bank hmanga charge pawhin battery ei hek lo tura siam a ni.

**Price: ₹1,249**

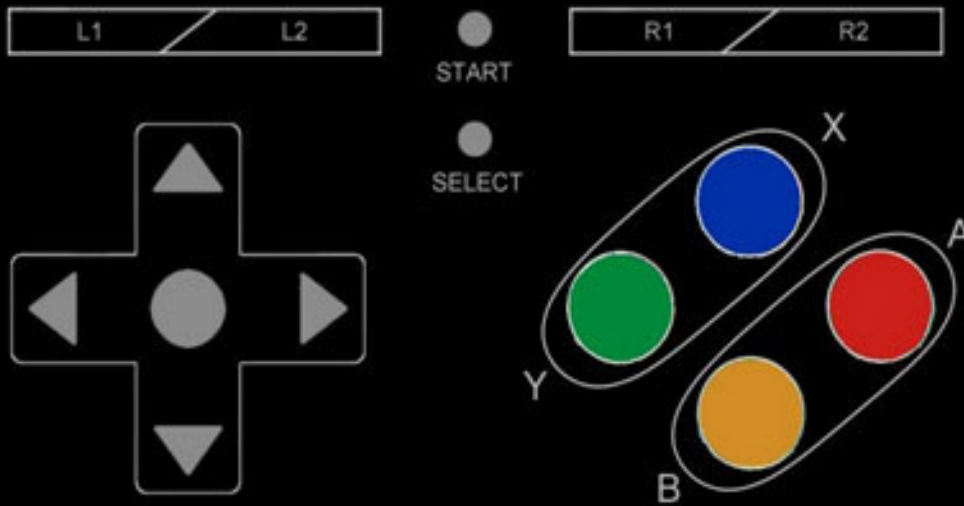


## Corsair Flash Survivor Stealth

A taksa hi aircraft-grade aluminium (anodized) hmanga siam a ni a, waterproof (upto 200m) a ni a, tlo hle tura siam a ni. USB 3.0 a ni a, USB 2.0 pawh a support tho a ni. Speed pawh a tha hle a, size (storage capacity) hran hrante read/write speed hi a inanglo a ni.

**Price: 16GB- ₹3,060, 32GB- ₹4,150, 64GB- ₹6,350**





**M**OBILE

**G**AMING

**C**ONTROLLER

**G**aming console (Xbox, Playstation) in hma a sawn zel a, chutihrualin mobile/tablet gaming market hi a thang chho ve mek bawk a, ala thang zel pawhin a rinawm.

Android/iOS device-ah game khelh nuam i ti em? Game controllers hman hian a screen khawih aiin a nuam a, awlsam pawh a awlsam zawk a ni. Duhthlan tur a awm ve nual tawh a, tam erawh ala tam lutuk lo.

Game controller lei i tum anih chuan lei hmaa hriattur tul tlem a zawng kan rawn sawi lawk ange -

- \* Tunah rih chuan game controller pakhat, game zawng zawng khelh theihna tur ala awm lo.
- \* Controller pakhat device zawng zawnga game khelh theihna tur a awm lo.
- \* Website velah emaw device support leh game support te en hmasak phawt tur a ni.
- \* Rechargeable battery hman leh hmanglo a awm.
- \* Android ah hian emulator hrang hrang (NES, SNES, N64, GBA etc) a hman theih avangin button mapping support lei a tha.

## SteelSeries FREE

A te ving veng khawp mai a, portable device tana siam a nih ang bawkin lek chhuah mai a awlsam a, a hnawksak lo hle a ni. Android leh iOS phone/tablet tan a hman theih ve ve a, bluetooth hmanga connect tur a ni; PC leh Mac pawh a support a ni. FREE action button 4, D-pad, shoulder button 2, button dang 2 (start leh select) leh joystick 2 a nei a, heng button 12 (joystick tello in) te hi SteelSeries Engine app hmangin duh angin (remapping) PC atangin a tih danglam vek theih a ni; Windows XP erawh a mil lo.



Playstation controller layout nen a inan avang hian hman thiam mai a harsa lo. Rechargeable battery a nei a, chawl miahlo a khelch char charin darkar 10 a daih a, khelch pangngai chuan darkar 20 a daih a ni. USB mini port a awm a, chumi hmanga charge tur chu a ni; wired connection hmanga khelchhna tur a ni lo. Minute 3 khawih loa a awm chuan amahin a in-OFF mai a ni. Game khelch theih a ngah a, a khelch theih ho chu anmahni website-ah a en theih a ni.

**Price:: ₹7,562**

## MOGA Pro

Moga Pocket chung chiaah a ni. Android 2.3 leh a chunglam tan a hman theih a, iOS device tan a hman ve theih loh a ni. Button layout hi Xbox controller nen a inang hle. Analog stick 2, face button 4, button dang 3 (start, select, logo), D-pad leh shoulder button 4 (trigger leh bumper) a nei a ni. A laiah hian kawih chhoh theihin phone dahna tur a awm a, 5.5 inch thleng vel a dah theih a, chuta lenglo tan chuan 'stand' a kengtel tho a ni. Power saving mode a nei ve tho a, controller pawh hi bluetooth hmang connect tur tho a ni.



Battery hian darkar 12-15 a daih a, USB cable hmanga charge tur a ni. Moga Pro hian mode 2 a nei a; Moga controller mode leh HID mode (A leh B switch hmanga thlak mai tur a ni). Moga hian Pivot app a nei a, chuta game awmte chu buaina awm miah lovin a khelch nghal theih a, hei hi Moga controller mode a ni. HID (Human Interface Device) mode-ah chuan 'button mapping' a tih theih a, game hran hran tan duh angin button a set danglam theih a ni.

**Price:: ₹5,555**



## Nyko Playpad Pro

Nyko Plypad chung chiah niin android game controller a ni a, bluetooth hmang tho a connect tur a ni a, Android 3.0 chin tan a ni. Xbox controller ang thoin face button 4, joystick 2, D-pad, button dang 3 (start, select leh power) leh shoulder button 4 (trigger leh bumper) a nei a ni.

Battery hi darkar 3 vel charge a ngai a, darkar 30 lai daih tura ngaih a ni. Plypad Pro hi Nvidia nena tang kawpa siam a ni a, Tegra device tana game siamte tha taka khel thei tura duan a ni. Mode pali- Gamepad/HID, Mouse, iCade leh App mode te a nei. Gamepad/HID mode hi game khelhna ber tur a ni awm e: Google Play Store leh NVidia Tegra Zone ami te ang hi. Mouse mode chu PC a mouse hman angin cursor a rawn lang anga, left analog stick leh action button hmangin a 'navigate' theih a, game thenkhat Angry Birds leh Fruit Ninja te pawh a khelh theih tho a ni. iCade mode chu iOS device a iCade support game khelhna a ni. App mode hmangin Nyko app 'Playground' a hman theih a, custom profile siam nan leh keyboard mapping tihnan a hman theih bawk a ni.



**Price:: ₹5,420**

## IPEGA PG-9017

Android 2.3 leh iOS 4.3 (iCade supported game) device tan a hman theih a, bluetooth hmanga connect tur a ni. D-pad, action button 4, analog stick 2, button dang 3 (start, select leh home) leh shoulder button 2 a nei a ni. Moga Pro ang thoin 'clip' a nei a, phone chu gamepad-ah a chilh beh nghal theih a ni.



IPEGA hian mode 4 a nei- iCade, mouse, keyboard leh joystick. iCade mode hi iOS device tana hman tur a ni. Mouse mode-ah chuan touch game, entirnan: Angry Birds, Fruit Ninja, Plants vs Zombies etc. a khelh theih. Right analog chu mouse cursor control-na tur a ni a, L leh R hi mouse click angin a thawk a ni. Keyboard mode chu emulated game khelhna atan a tha a, keyboard mapping pawh a tih theih a ni. Joystick mode hi RPG leh Racing Game hrang hrang khelhna atana hman deuh ber a ni.



**Price:: ₹2,600**

Apple  
iPad Air



Microsoft  
Surface 2



Nokia  
Lumia 2520



Samsung  
Galaxy Note 10.1



Apple chuan an iPad siam thar iPad Air chu an tlangzarh leh ta a, iPad Air hi iPad generation dangte aiin a pan zawk in a zang zawk hle a, hardware lamah pawh sang zawk in 64-bit Apple A7 processor a hmang a ni.

Smartphone siam lama hnufual deuh Nokia pawhin rinloh deuh mai in an Windows RT tablet hmasa ber Lumia 2520 chu an rawn tlangzarh veleh a. Microsoft pawhin an Surface tablet ti changt-lungin a hardware lamah hma a rawn sawn viau bawk a. Samsung pawh in 2014 edition Galaxy Note 10.1 tablet an siam chhuak leh tawh bawk a ni.

iPad Air thar hi 9.7-inch Retina display niin a resolution chu 2048x1536 pixels a ni a, a pixel bit zawng chu 263ppi a ni. Nokia Lumia 2520 ve thung chu 10.1-inch HD IPS LCD display a ni a, a resolution chu 1920x1080 niin a pixel bit zawng chu 218ppi a ni. Microsoft Surface 2 tablet hi 10.6-inch display niin 1920x1080 pixels resolution a nei a, a pixel bit zawng chu 206ppi a ni. Galaxy Note 10.1 (2014) tablet hi 10.1-inch WQXGA (2560X1600 pixels) Super clear LCD display a nei a, a pixel bit zawng hi 298ppi a ni.

Samsung Galaxy Note 10.1 (2014) display hian resolution nei sang ber in a pixels per inch (ppi) pawh a tam ber a, a dawt chiah chu iPad Air niin Lumia 2520 leh Surface 2 te hian an rawn dawt ve leh a ni.

iPad Air hi iPhone 5s chhuak thar chip hman ang tho 64-bit A7 chip a thuam niin, hei hian a let hnih in a CPU leh graphics performance chu iPad generation chhuak hmasa te aiin a rawn tichak a ni. M7 motion coprocessor features rawn nei in hei hian A7 processor hnathawh a pui a, a battery a tih tlo phah hle a ni. Nokia Lumia 2520 hi 2.2GHz quad-core Qualcomm Snapdragon 800 processor a thuam a ni a, Surface 2 ve thung erawh chu NVIDIA Tegra 4 (T40) 1.7 GHz Quad Core chip a thuam a ni. India a Galaxy Note 10.1 2014 Edition hi 1.9GHz Exynos 5 Octa processor a thuam a ni ve thung a ni.

Heng tablets pali te hi an chak zawng tehkhin a harsa hle a, a chhan chu platforms hran theuh hmang an ni a, hardware chhuak thar ber ber a thuam an ni bawk a ni.

iPad Air chhuak thar hian 5-megapixel camera a hnung lamah neiin a hma lamah chuan 1.2-megapixel a nei a. iPad Air hian 1080p HD video recording a support bawk a ni. Nokia Lumia 2520 ve thung chuan a hnung lamah 6.7 megapixel camera neiin a hma lamah chuan 2-megapixel a hmang thung. Surface 2 hian 5.0-megapixel camera a hnung lamah hmangin 3.5-megapixel a hnung lamah a nei thung a ni. Samsung Galaxy Note 10.1 2014 Edition hian high-end 8-megapixel camera a hnung lamah hmangin hei hian BSI sensor leh autofocus rawn keng tel in LED flash a nei bawk a, a hma lamah chuan 2-megapixel camera a nei a ni.

iPad Air hi chi hrang hrang a siam niin 16GB, 32GB, 64GB leh 128GB storage te a siam a ni a. Nokia Lumia 2520 hian 32GB built-in storage memory nei in duh chuan microSD card hmang in a tihlen theih bawk a ni. Surface 2 hi 32GB leh 64GB te in a awm a microSD card a tihlen theih a ni bawk. Samsung Galaxy Note 10.1 2014 Edition ah hian 16GB, 32GB leh 64GB built-in storage te a siam a ni a, tin microSD card hmang a tihlen theih a ni bawk a ni.



Software lamah ve thung chuan, iPad Air hian Apple mobile OS chhuak thar ber iOS 7 a hmang a. Nokia Lumia 2520 leh Surface 2 te hian Windows RT an hmang a ni. Galaxy Note 10.1 2014 Edition chuan Android 4.3 Jelly Bean a hmang thung a ni.

Apps lamah chuan, iPad Air hi Windows RT leh Android tablets te ai hian a chungnung deuh zawk a, a chhan chu iOS apps tam tak hi iPad a hman atan a siam deuh bik an ni. Apple hian an apps - iLife leh iWork suit te chu a thlawn a hman theih turin an dah bawk a ni. Windows leh Android tablets a app lan dan te hi chuan hmang tute mi a hip lo deuh zawk a, chutih rual in Surface 2 leh Nokia Lumia 2520 tablets ah te hian Microsoft Office 2013 RT office apps a awm a ni.

|                         | Apple iPad Air  | Microsoft Surface 2  | Nokia Lumia 2520                                      | Samsung Galaxy Note 10.1  |
|-------------------------|---|--|---|---|
| <b>Display</b>          | 9.7-inch LED backlit Multi-Touch display with IPS<br>2048 x 1536 pixels<br>264ppi | 10.6-inch display<br>5-Point Multi Touch<br>1920 x 1080 pixels<br>206ppi | 10.1-inch IPS display<br>1920 x 1080 pixels<br>218ppi | 10.1-inch Super Clear LCD<br>2560 x 1600 pixels<br>298ppi         |
| <b>Processor</b>        | 64-bit A7 chip  | 1.7GHz quad-core<br>Nvidia Tegra 4 (T40)                                 | 2.2GHz quad-core<br>Qualcomm Snapdragon 800           | 1.9GHz Exynos 5 Octa-core /<br>2.3GHz quad-core<br>Snapdragon 800 |
| <b>RAM</b>              | NA  | 2GB  | 2GB   | 3GB   |
| <b>Connectivity</b>     | Dual band WiFi<br>MIMO, 4G LTE, Bluetooth 4.0, Lightning connector                | WiFi, Bluetooth 4.0, USB 3.0   | WiFi, Bluetooth 4.0, NFC, 4G LTE, microUSB            | WiFi, Bluetooth 4.0, NFC, 3G, 4G LTE, microUSB                    |
| <b>Camera</b>           | 5MP (rear), 1.2MP (front)   | 5MP (rear), 3.5MP (front)  | 6.7MP (rear), 2MP (front)                             | 8MP (rear) with flash, 2MP (front)                                |
| <b>Internal Storage</b> | 16/32/64/128GB  | 32/64GB  | 32GB  | 16/32/64GB  |
| <b>Micro SD card</b>    | No  | Yes  | Yes   | Yes   |
| <b>Battery</b>          | 10 hrs  | 10 hrs   | 8000mAh   | 8220mAh   |
| <b>OS</b>               | iOS 7   | Windows RT 8.1   | Windows RT 8.1  | Android 4.3   |
| <b>Dimension</b>        | 240x169.5x7.5 (mm)  | 274.56x172.4x8.89 (mm)   | 267x168x8.9 (mm)                                      | 243.1x171.4x8.9 (mm)  |
| <b>Price</b>            | 64GB (wifi+cellular)<br>₹92,500<br>128GB (wifi+ccellular)<br>₹99,500              | ₹42,990 (32GB)   | NA  | ₹49,990 (32GB)  |

# Karbons Smartphone Chhuaktharte

## Karbons A12+ | ₹5,199

### Key Features

- 4-inch WVGA IPS Display
- Android v4.2 (Jelly Bean) OS
- 5 MP Primary Camera, VGA front facing camera
- 1.3 GHz Dual Core Processor
- Dual SIM (GSM + GSM), Wi-Fi, 3G, Bluetooth
- 512MB RAM, 4GB storage expandable via microSD card
- 1400mAh battery



## Karbons A16 | ₹6,200

### Key Features

- 3.9-inch (480 x 800 pixels) display
- 1.3 GHz dual-core MediaTek MT6572 processor with Mali 400 GPU
- Dual SIM (GSM + GSM) with Dual Standby
- Android 4.2 (Jelly Bean) OS
- 5 MP rear camera with LED flash
- 0.3MP (VGA) front-facing camera
- 3.5mm audio jack, FM Radio
- 3G, Bluetooth, Wi-Fi 802.11 b/g/n, GPS
- 512 MB RAM, 4GB of internal memory, 32GB expandable memory with microSD
- 1350 mAh battery



## Karbons A18+ | ₹8,200

### Key Features

- 5.0-inch FWVGA screen with 480x800 resolution
- Android v4.2 (Jelly Bean) OS
- 5 MP Primary Camera
- 3MP front facing camera
- 1.3 GHz Dual Core Processor
- 512MB RAM, 4GB storage expandable via microSD card
- Dual SIM (GSM + GSM), Wi-Fi, 3G, Bluetooth
- 2000mAh battery



## Karbonn A99 | ₹6,490

### Key Features

- 3.97-inch (480 x 800 pixels) display
- 1.3 GHz dual-core processor
- Dual SIM (GSM + GSM) with Dual Standby
- Android 4.2 (Jelly Bean) OS
- 5 MP rear camera with LED flash
- 0.3MP (VGA) front-facing camera
- 3.5mm audio jack, FM Radio
- 3G, Bluetooth, Wi-Fi 802.11 b/g/n, GPS
- 512 MB RAM, 4GB of internal memory, 32GB expandable memory with microSD
- 1400 mAh battery



## Karbonn A35 | ₹6,990

### Key Features

- 5-inch IPS qHD 960×540 pixels Display
- Android v4.0 ICS OS
- 5 MP Primary Camera with Autofocus and Flash, 2MP front facing camera
- 1.3 GHz Dual Core Processor
- Dual SIM (GSM + GSM), Wi-Fi, 3G, Bluetooth
- 512MB RAM, 4GB storage expandable via microSD card
- 1800mAh battery



## Karbonn A90 | ₹5,290

### Key Features

- 4-inch (480 x 800 pixels) display
- 1 GHz processor
- Dual SIM (GSM + GSM) with Dual Standby
- Android 4.0 (Ice Cream Sandwich) OS
- 5 MP rear camera with LED flash
- 0.3MP (VGA) front-facing camera
- 3.5mm audio jack, FM Radio
- 2G (EDGE), Bluetooth, Wi-Fi 802.11 b/g/n, micro USB
- 512 MB RAM, 512MB of internal memory, 32GB expandable memory with microSD
- 1400 mAh battery





# Basics of Photogr

Digital Camera chi hrang hrang a chhuak tam ta hle a. A bikin Digital SLR (Single Lense Reflect) hi Professional Photographer chauh nilo, mitin hian kan hmang uar sawt ta hle a. Thla la thiam tak atangin thla la thiam loh chu sawi loh, camera chanchin hre lo tak tak pawh a awm theih awm e. Kan sawi vek seng lo anga, tunah hian Camera chungchang tlem kan ziaak dawn a ni.

Camera peng/bung hrang hrangte:

Body hi camera inpui ti ila kan sawi sual awm lo ve. A body hian thlalak quality lam a nghawng em em lo nain, a design a zirin hman nuam leh nuam lo te a awm a. Camera features a zirin a specifications a dang thei hle bawk.

Lens is a mit mu, thlalak kap tu ber a ni a. Thlalak tha leh tha lo te lens ah hian a inngat sang hle. Thlalak hrang hrang leh thla lakna hmun (subject) a zirin lense hrang hrang hman a ni thin.

Sensor hi roll film ang deuh, lense ina thlalak light hmanga a lo chhun lo dawngsawngtu a ni.

Flash Card/memory Card hi thlalak khawlkhawmtu a ni a. SD Card leh CompactFlash card te a lar zual. A Read/Write Speed a pawimawh hle.

Battery hi Camera khawl tinungtu a ni a. Camera in a chhawm Battery mai bakah Battery Pack te hi neih tel a tha hle awm e.

raphy



Photography by Will Chongthu

**Lens** ah hian chi hnih a awm thei awm e. Chungte chu Zoom Lens leh Prime Lens te an ni a. Zoom lens chu a hmingin a sawi angin thla zoom hnaih leh hlatna a ni a. A man a to a, a ritin a lian/sei tlangpui baw. Prime Lens ve thung chu zoom a nei lo va, a man a tlawm hret thin. A te zawk a, a zang zawk baw. Prime Lens hian thla a la fiah tha zawk tlangpui a, amaherawhchu, lens quality a zirin a to zawk ve thei baw.

Heng bakah hian Wide-angle, Standard, medium, telephoto leh ultra telephoto lens te a awm ve leh a. Heng hmingte hi lens' focal length a zira hming pek a ni. (sawi chipchiar lo mai ta ila). Han sawi tel hram a tha chu Focal length chu millimeter (mm) in teh a ni a. Focal length chuan thla a lak zau leh zau loh a hril ber a. Wide-angle lens chu a tlangpuiin focal length 35mm chin a ni tlangpui a, a len poh leh kan thlalak tur (subject) a lang tam anih chu. Fisheye lens hian hnai te atangin thla a la zau thei ber a, a tlangpuiin a focal length hi 8mm-10mm a ni. Regular Wide lens kan tih ang hi focal length 14-28mm a ni tlangpui baw. Standard lens hian focal length 35-50mm an ni tlangpui a, lens hman uar ber a ni baw. 50mm Prime lens hi a a zoom lens quality pui ngaihtuahin a tlawm tlangpui a ni. Medium lens hi 60-100mm focal length a ni tlangpui. Telephoto lens hi hmun hla tak - Sports leh Wildlife photographer tena an hman lar em em a ni thung. 100mm chin chunglam hi Telephoto lens tia koh a ni tlangpui a, focal length 400mm chung lam hi ultra telephoto lens tih a ni baw. Heng lens hi thlalak a sharp lutuk lova, thim a ngam lo baw a, amaherawhchu, image stabilizer leh technology chhuak thar a awm ve zel baw a, quality tha tak tak a pe chhuak ve tho a ni.

**Sensor** hi Camera peng pawimawh tak pakhat a ni a. Lens a Light lo kal tlang lo filter tu a ni a. Sensor len leh tet chungchang hian nasa takin image output a ti danglam thei hle.

Compact Point-and-shoot Camera ho hian sensor a hmang te hle a. Tin, Interchangeable lens kan tih ang chi - DSLR, MILC, CSC, EVIL camera ah hian Sensor size a zirin nasa takin thlalak quality a khawih danglam thei a ni. Sensor lian apiangin thim a ngam a, dept of field chungchangah control a nuam zawkin thlalak resolution pawh fiah zawk leh noise tlem zawk a pe chhuak a ni. DSLR camera tam tak hian APS-C Sensor a hmang a, a tha thawkhat viau a. APS-C sensor hi 35mm Film size chanve a ni a, 1.6x factor-in lens zoom a tilang hnai a. High end DSLR (Canon 5D Mark II) phei chuan full-frame sensor a hmang a. Chu chu roll film 35mm size a ni a, mahse APS-C angin lens chungchangah factor a nei ve lo thung.

Sensor lian apiang image quality a tha kan ti a, a dikna chen awm mahse thil pawimawh deuh pakhat awm chu sensor megapixel rating hi a ni a. A tlangpuiin, sensor-a megapixel a bit poh leh noise pawh a tam a. Chuvang chuan megapixel sang ngawr ngawr hi a tha ber chuang lova. Sensor te ah phei chuan Megapixel a tam poh leh noise a tam duh a ni. 8-10 megapixel hi tunlai thlalak kan print duh dan en chuan a fiah tawh hle tura ngaih a ni.

**Flash Card (Memory Card)** hi chi hrang hrang a awm a. A tlangpuiin DSLR hian SD card leh CompactFlash Card te a hmang a. A Read/Write speed hian nasa takin Camera performance a tidanglam a ni. SD card ah hian Class 6 chin chunglam emaw CompactFlash Card ah 133x rating chunglam hi a tha tawh tura ngaih a ni. Tunlai DSLR hian Video Camera a ken tel avangin HD 720/1080 quality la tur chuan Memory Card chak tha a pawimawh zual hle a. SD ah Class 10 Card chin tal hi hman a tha ang. CompactFlash card tan rating 233x chin chunglam hman a tha bawh ang.

**Battery:** DSLR hian a tlangpuiin ni khat daih tur battery atangin a keng tel a. Amaherawhchu, thla la nasa mi tan chuan Battery pack hranpa lei hi a finthlak viau a. Hman dan a zirin vawikhat charge full in a tlangpuiin thla khat dawn te a daih thei a, thla la mi tan chuan neih ngei ngei chi a ni.



Camera *processor* hi a pawimawh hle a. A tlangpuiin tunlai processor hi a chak tawh a, thlalak a zawna 7 RAW frames a lak theih emaw JPG 20 a lak theih chuan, a chak tha thawkhat hle tihna a ni.

### *Soft Box Lighting:*

Thlalak ah hian lighting hi thil pawimawh em em kan sawi hmaih hauh loh tur te zinga mi a ni awm e. Thlalak tha tak la tur chuan light source tha tak kan mamawh a. A bikin Portrait thla lak nan soft box hi an hmang nasa hle a. Studio ah phei chuan soft box hi an hmang ngei ngei a ni. A lema kan hmuh ang hian Light chi khat flourescent light hman a ni tlangpui a, chu chu puan chi khat (diffusing cloth) a tuam leh a ni a. Hei hian light kap na lutuk tur chu lo vengin, thlalak natural tak a pe chhuak ta thin a. Soft box hi thla latu mamawh a zirin chi hrang hrang a awm a, Umbrella reflector nen te pawh an hmang kawp thin bawh a ni.

Awle, tun atan chuan heti chin hi han duhtawh phawt mai ila, Basics han ti mah ila, photography chungchang hi thil tam tak a awm avangin duh angin ziah vek sen a ni lo va, issue remchangah te ziah lan te tum zawk ila a tha ange.



## iPad mini with Retina Display

Twice as fast.  
More stunning than ever.



Watch the keynote



Watch the video



Watch the TV ads



### Key Specifications

**CPU:** Apple A7

**Display:** 7.9 inches / 2048 x 1536

**OS:** iOS 7

**RAM:** 512MB

**Storage:** 16GB, 32GB, 64GB or 128GB

**Expandable Storage:** None

**Battery:** 23.8-watt-hour lithium-polymer

**Connectivity:** Wi-Fi (802.11 a/b/g/n); MIMO

**Size:** 7.87 x 5.3 x 0.29 inches

**Weight:** 11.68 ounces

**Cameras Rear / Front:** 5-MP iSight / 1.2-MP FaceTime HD

**Ports:** Lightning connector, headphone

Mi tam tak nghahhleh em em “iPad Mini”, 2nd generation chu a chhuak ta. Apple in a display technology an chhuan em em Retina display pawh a hmang ve tawh a ni. iPad mini thar feature panga langsar deuh te en chhin ta ila:

**Retina Display:** iPad hmasa kha a manah leh feature-ah te tha viau mahse resolution hniam zawk a hman avangin mi tam tak duhthu a sam lo hle. iPad Mini thar erawh hi chuan 7.9 inch Retina display neiin 2048 x 1536 resolution a nei a, ppi pawh 326 a ni.

**A7 Chip:** iPhone 5s ami ang 64-bit A7 chip a hmang. Apple chuan he chip thar hi a hmasa aiin CPU power a let liin a sang a, graphics performance pawh a let riat laiin a tha zawk niin a sawi. Tablet thar hian iOS 7 64-bit a hmang bawh a, A7 chip nen hian thawk tha dun tur hle a ngaih a ni. A7 chip hian OpenGL ES version 3.0 a support a, gaming leh visual effects pawh a that phah hle dawn a ni.

**M7 Coprocessor:** iPhone 5s ang thoin iPad mini thar hian M7 motion coprocessor a support a ni. Accelerometer, gyroscope leh compass te ina ‘motion data’ an lakkhawm chu apps-ah a thawng tlang nghal a, processor in hna a thawh a ngai ve tawhlo a ni. Hei vang hian battery pawhin a daih rei phah dawn a ni.

**Wi-Fi Reception:** iPad Mini thar hian MIMO (multiple-input multiple-output) a support theih nan antenna pahnih a hmang a, Wi-Fi pawh a letin a chak dawn niin Apple chuan a sawi.

**Dual-Microphone:** Microphone pahnih: a hmaah leh a hnungah a awm. Microphone pahnihte hi an thawk rual a, voice/audio reception pawh a that phah viau dawnin an sawi a, video recording te a that phah tur bakah Siri voice recognition pawh a that phah niin Apple chuan a sawi bawh.

## LG G Pro Lite Dual



### Key Specifications:

**Processor:** MT6577 1.0 GHz Dual Core  
**Display:** 5.5-inch (960 x 540 pixels)  
**Network:** 3G (HSDPA: 7.2Mbps / HSUPA: 5.76Mbps)  
**Memory:** 1GB RAM, 8GB ROM, MicroSD  
**Camera:** Rear 8.0MP BSI / Front 1.3MP  
**Battery:** 3,140 mAh (removable)  
**Operating System:** Android Jelly Bean 4.1.2  
**Size:** 150.2 x 76.9 x 9.4mm  
**Weight:** 161g  
**Connectivity:** Bluetooth 3.0, USB2.0, A-GPS, Wi-Fi Direct

LG G Pro Lite hi LG Optimus G Pro man tlawn chi leh dual-SIM version a ni. India a tlangzarh anih hlim khan Snapdeal-ah discount in ₹18,300 a ni a, tunah erawh tlemin a sang leh hret tawh a, ₹19,990 a ni.

5.5-inch IPS display a nei a, resolutin chu qHD (540 x 960 pixels) a ni. 1GHz dual-core Mediatek 6577, 1GB RAM leh 8GB internal memory a nei a, microSD hmanga tihlen belh theih a ni. Android 4.1 Jelly Bean a hmang a, battery (removable) hi 3140mAh a ni. A hnung lamah 8MP camera (BSI) a nei a, a hma lamah 1.3MP camera a nei bawk. Camera hian Auto-focus leh LED flash te a nei bawk a ni. A hnuai lamah hian stereo speaker a awm. Phone hian stylus pen a kengtel bawk a ni. A chhah lam chu 9.4 mm a ni a, 161 grams a rit a ni. Phone hi a dum leh a var a siam a ni.

LG Optimus G Pro leh G2 ang thoin Lite-ah pawh hian apps dah sa a ni nual a. KnockON, Pause and Resume Recording, QSlide, QuickMemo leh QTranslator application te dahsa a ni.

Soon Kwon, M.D. LG India chuan, " LG G Pro Lite hi feature nghah leh hman nuam tak a ni a, hmasawna device tha tak tak tichhuah zel kan tum. 5-inch screen leh a chunglam mamawhna a sangzel dawn a, heng customer te mamawhna phuhruk tur hian LG chu a inring reng a ni" a ti.

# MICROMAX Canvas Turbo



## Key Specifications:

**Model ID:** Canvas Turbo A250  
**SIM Type:** Dual SIM, GSM + GSM  
**Processor:** 1.5 GHz MediaTek MT 6589T, Quad Core  
**Memory:** 2 GB RAM, 16 GB ROM  
**Card Slot:** No  
**Display Size:** 5 Inches  
**Resolution:** Full HD, 1920 x 1080 Pixels  
**Color:** 16.7 M  
**Primary Camera:** 13 Megapixel  
**Secondary Camera:** 5 Megapixel  
**Video Recording:** 1920 x 1080, 30 fps  
**Flash:** Yes  
**USB OTG:** Yes  
**Size:** 71x128.3x8.6 mm  
**Colors:** Midnight Blue, Prestine White  
**Price:** ₹19,299

Canvas Turbo hi Micromax in fullHD ((1920 x 1080 pixels) display smartphone an siam hma-sak ber a ni. FullHD display segment-ah lut tlai deuh mahse Turbo hian features leh performance tha tak a nei tho.

Aluminium unibody a hmang a, 'build' a tha khawp mai. A hnung lam hi 'matte finish' a ni a, vawn a nghet. 5-inch fullHD CGS (continuousgrain silicon) display a nei a, color a tha in viewing angle pawh a tha. Interface chu stock Android ang a ni a, preloaded apps a awm nual bawk.

1.5GHz quad-core processor, 2GB RAM leh 16GB internal memory a nei a; hman theih chin 13.5GB atanga 1GB chu apps tan a ni a, memory card slot a awm lo. USD OTG (on the go) a support a, USB pendrive pawh a connect mai theih a ni. A hnung lamah 13MP auto-focus camera (with flash) a nei a, camera apps ah hian 360 degree panorama leh object eraser a awm bawk a ni: a hma lamah 2MP camera a awm. FullHD video recording a tih theih a ni. Dual SIM (GSM + GSM) phone a ni a, FM radio recording a theih a, Android 4.2.1 Jelly Bean a hmang. Battery hi 2000mAh a ni a, thlawn theihloh chi a ni; talk time chu 7 hrs a ni a, standby time chu 105 hrs a hi.



## AOC 3D TV

AOC chuan India a 3D TV te ber leh tlawmber a tichhuak. 23-inch LED display a nei a, USB, HDMI leh VGA port a awm bawk. 2D content chu 3D a 'convert' mai thei turin remote-ah 3D key a awm; sound atan Dream Surround Sound a hmang a, color display atan Real Color Engine technology a hmang bawk. 3D glass pali, USB ah 3D movie pakhat a keng tel a ni.

**Price:: ₹20,000 (approx.)**



## Canon PowerShot S200

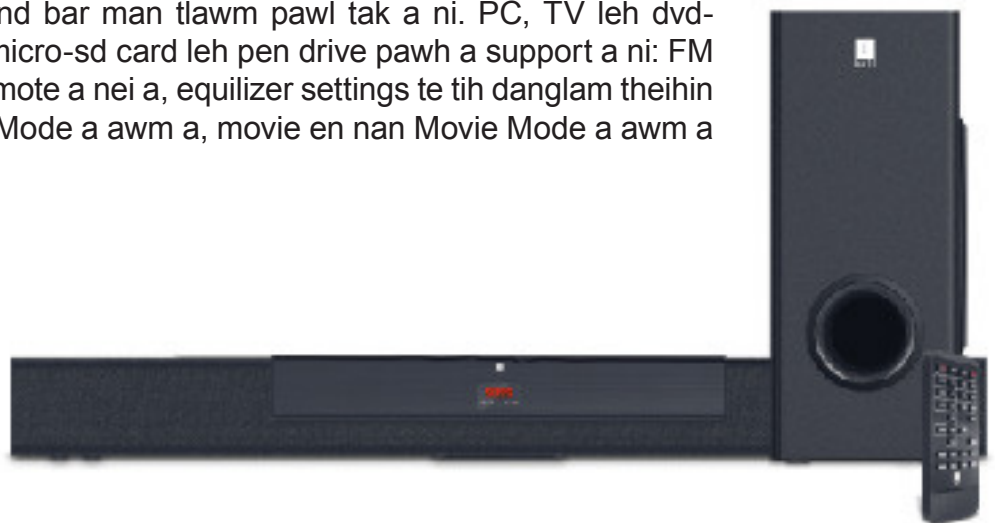
Canon India chuan mid-range camera PowerShot S200 a tichhuak thar. Advanced DIGIC 5 imaging processor a hmang a, Wi-Fi a awm nghal bawk a ni. Sensor hi he'ng camera zingah chuan a sang pawl tak a ni a, 1/1.7" a ni. Camera tang hian thlalak a upload nghal theih a, smartphone-in Camera Window app (iOS leh Android) hmangin camera hi a control theih a ni. 24-120 telephoto lens (5X optical zoom) a nei a ni.

**Price:: ₹20,000**

## iBall Sound Bar 05

Sound Bar 05 hi sound bar man tlawm pawl tak a ni. PC, TV leh dvd-player te a connect theih a, micro-sd card leh pen drive pawh a support a ni: FM radio a awm nghal bawk. Remote a nei a, equalizer settings te tih danglam theihin music ngaihthlak nan Music Mode a awm a, movie en nan Movie Mode a awm a ni.

**Price:: ₹5,500**



## Devastator Keyboard-Mouse Combo

Cooler Master Devastator hi MB24 membrane keyboard leh MS2K optical mouse inkawp a ni. Keyboard hi 'backlit' a ni a 'tactile feedback' pawh gamer te duhzawng tura siam a ni. Macro key dah belh a ni lo a, mahse multimedia key te chu a awm tho a ni. Mouse hian 2000 DPI (adjustable) thleng a support a ni. Kut dinglam leh veilam pawha hman theih ve ve tura design a ni, dawm a nget nan a sir tawh ve ve ah hian 'rubber pad' dah a ni bawh.

**Price:: ₹3,500**



## Sony Shake 6D

Sony chuan home audio system lian tha nelh nawlh tak Shake 6D chu a tichhuak thar. 35cm Subwoofer (2400W), 20cm Woofer leh 2.5cm Tweeter a nei a ni. LED effect 20 lai a awm bawh a. Bluetooth a support a, USB slot 2, composite video output 1, audio input 2 leh mic input 2 a nei a, FM radio a support bawh a ni. NFC hmanga vawikhat khawih leka a ngaihlak nghanl theihna hian hriat a hlawh hle.

**Price:: ₹59,990**



## Lenovo A10

Laptop Android OS hmang a ni: version 4.2 a hmang. 10.1-inch (1366 x 768 resolution) display a nei a, a touchscreen display hi 300 degree in a kawih er theih a ni. RK3188 Cortex-A9 1.6Ghz quad-core processor, 2GB RAM leh 32GB internal storage (micro sd card support) a nei a, USB 2.0 port 2 leh HDMI port 1 a awm baw. 0.3MP webcam a nei a, stereo speaker a awm. A rih lam hi kg a tling lo a, 17.3mm a chhah a ni.

**Price:: TBA**



## iBall Slide 3G 8072

Dual SIM (GSM+GSM) a ni a, voice calling leh dual standby a support a ni. 8-inch display (1024 x 768 resolution), 1GHz dual core Cortex A9 processor, 1GB RAM, 4GB internal memory (sd card support) leh 2MP camera a nei a ni. Android 4.1 Jelly Bean a hmang a, battery hi 4000mAh a ni.

**Price:: ₹11,999**

## Plantronics BackBeat Go 2

Tlo tak tura siam a ni a, tui leh thlante in a chiah theihlohna turin Sweat Proof coating tih vek a ni. Wireless bluetooth earbud a ni a; call, skip track leh volume adust-na control a awm vek a, hrui invet buai theilo tura siam a ni baw. Case a nei a, charger a ni nghal baw a, vawi hnih a charge theih a ni. Tin, DeepSleep Hibernation mode a awm a, earbud charged sa chu thla ruk chhung a awm reng theih a ni. iOS leh Android 4.0 tan battery meter widget a awm baw.

**Price:: ₹4,990 (with charging case ₹5,990)**







## SONY Lens Camera | QX10 | QX100

Compact camera tha tak leh tunlai smartphone feature belhbawm in Sony chuan 'lens-style' camera, QX series a siam. Mobile photography lam tui tan chuan neih ngei chi a ni ang.

QX series te chu QX100 leh QX10 an ni. Smartphone leh camera chu wi-fi hmanga thlun zawm tur a ni a, compact camera tha tak angin a hman theih a ni. Thlalak quality tha tak tak leh HD video te a lak theih a, a quality hi compact camera class sang tak nen pawh a khaikhin ngam awm e. Thil thar a ni a, a dangdai a, hman atanga tun thlenga thla kan lak dan dahthain thil thar minrawn kawhhmuh a ni.

Lens pian ang hian a awm a, camera a ni nghal baw. Sony application 'PlayMemories Mobile' hmangin smartphone nen a inzawm a ni. Application hi iOS leh Android (3.1 leh a aia sang) tan a awm ve ve. Connect a nih hnu hian smartphone screen chu camera 'viewfinder' angin a thawk ta a- shutter click, start/stop movie recording leh camera settings hrang hrang (shooting mode, zoom, Auto Focus area leh a dangte) a khawih theih vek a ni. Camera hian NFC a support baw a, NFC device dang nen awlsam tein an in-connect thei baw a ni. Thlalak chu phone leh camera-ah a save ve ve a, social networking site leh mobile application-ah te a share nghal theih a ni.

"QX100 leh QX10 hmang hian 'mobile photographer' ten thlalak fiah leh tha zawk an lak theihna tur leh an awlsam zawk nan kan ti a, he thil thar hi hmasawna mai nilo in camera leh smartphone-te inlungual taka tunlai market-a an kal dun theih zia tilang chiangtu a niin kan hria", tiin Patrick Huang, Sony Cyber-shot Director chuan a sawi.

Camera hian adapter a keng tel a, chumi hmang chuan phone-ah a vuah mai theih: phone camera lens leh camera vauh lens chu a inzawn kher pawh a ngai lo. Chuti a nih loh pawhin camera chu kut pawhin a lek mai theih a, tripod-ah te pawh a dah theih a, phone nen a inzawm tlat avangin function te chu phone atanga control vek tho a ni. Camera-ah hian memory card slot, rechargeable battery leh shutter button hranpa a awm ve tho avangin connect miah loin a lawng tawp pawhin a hman theih a ni.

### Large Sensor QX100 Camera Cyber-shot

QX100 camera hian 1.0 inch, 20.2MP Exmor RCMOS sensor a nei a, hei hi camera tha tak Cyber-shot RX100 II ina a hman ang a ni. Thla a lak hi a kim (detail) em em a, eng tlemna leh zana pawh tha taka hman theih a ni. 3.6x optical zoom a nei a, image processor tha tak BIONZ a hmang. Focus leh zoom hi 'manual' a adjust na a awm baw a ni. Shooting mode hrang hrang- Program Auto, Aperture Priority, Intelligent Auto leh Superior Auto a awm.

### High-Zoom Cyber-shot QX10 Camera

18.2MP Exmor RCMOS sensor a hmang a, 10x optical zoom (Sony G Lens) a nei a ni. Smartphone-a zoom vak a thlalak fiah ta lo ang hi QX10-ah hi chuan a awm ve lo. Kut tih chet avanga thlalak a phe lohna turin Optical SteadyShot a awm nghal. Program Auto, Intelligent Auto leh Superior Auto mode a awm a, camera hi rawng chi hnih- a dum leh a var in a awm ang.



|                       |   |  |
|-----------------------|---|--|
|                       | Sony Cyber-shot DSC QX10  | Sony Cyber-shot DSC QX100  |
| PRICE (in rupees)     | 12,990  | 24,990   |
| Body Type             |   |  |
| Body type             | Compact   |  |
| Body material         | Composite   |  |
| Sensor                |   |  |
| Max resolution        | 4896 x 3672   | 5472 x 3648  |
| Other resolutions     | 2592 x 1944 (4:3), 4896 x 2752 (16:9), 1920 x 1080 (16:9)             | 3:2: 2736 x 1824; 4:3: 4864 x 3648, 2592 x 1944; 16:9: 5472 x 3080, 2720 x 1528; 1:1: 3648 x 3648, 1920 x 1920 |
| Image ratio w:h       | 4:3, 16:9   | 1:1, 4:3, 3:2, 16:9  |
| Effective pixels      | 18 megapixels   | 20 megapixels  |
| Sensor size           | 1/2.3" (6.17 x 4.55 mm)   | 1" (13.2 x 8.8 mm)   |
| Sensor type           | BSI-CMOS  |  |
| Image                 |   |  |
| ISO                   | 100-3200  | 160-6400   |
| White balance presets | 6   | 8  |
| Image stabilization   | Optical   |  |
| Uncompressed format   | No  |  |
| JPEG quality levels   | Normal  |  |
| Optics & Focus        |   |  |
| Optical zoom          | 10x   | 3.6x   |
| Autofocus             | •Contrast Detect (sensor)<br>•Multi-area<br>•Touch<br>•Face Detection |  |
| Manual focus          | No  | Yes  |
| Macro focus range     | 5 cm (1.97")  |  |
| Photography features  |   |  |
| Maximum aperture      | F3.3 - F5.9   | F1.8 - F4.9  |
| Minimum shutter speed | 4 sec   |  |
| Maximum shutter speed | 1/1600 sec  | 1/2000 sec   |
| Built-in flash        | No  |  |
| Self-timer            | Yes (2, 10 secs)  |  |
| Videography features  |   |  |
| Format                | MPEG-4  |  |
| Microphone            | Stereo  |  |
| Resolutions           | 1440 x 1080 (30 fps)  |  |
| Storage types         | MiroSD, microSDHC, microSDXC, Memory Stick Micro                      |  |
| Wireless              | Built-In  |  |



# SOLID STATE DRIVES

**S**SD (solid state drive) leh hard drive pangngai hian inanlohna tam tak an nei a, chu'ng zawng zawng khaikhawmna chu a chakna (speed) hi a ni. SSD hi a chak zawk fe a, power pawh a hman tlem zawk a ni: information a hmu chak zawk a, 'mechanical failure' a awm ve lo a ni.

Hard drive pangngaiah hi chuan thil vir char char (data store-na) leh read/write head a awm a, read/write head chuan thil vir char char a information chu a chhiar ta thin a ni. Hei vang hian mechanical failure pawh hi a awm phah fo a ni. SSD-ah ve thung chuan thil che engmah a awm ve lo a, NAND flash technology a hman thung a ni: thil che a awm miao loh avangin power a mamawh tlem bik a, tin, mechanical failure lakah pawh a fihlim a ni.

Solid-state storage technology hi a danglam ve zel a, amaherawhchu, a chak lam (speed) leh rintlakna (reliability) hi chu ngaihpawimawh reng tur a ni awm e. SSD lei dawna bo lutuk lohna turin leh tihsual a awmlohna turin tehna tur tlem azawng kan rawn tarlang ange.

**Features:** SSD tamtak anih tur ang an nihloh nachhan chu siam uluk loh vangte a ni chawk. Component tha a hman leh hmanloh te chian phawt tur a ni. Controllers, entirnan: SandForce leh Indilinx Everest te hi tunah chuan hmahruaitu an ni: mil a ngah a, chak pawh a chak tha a ni. SSD hian SATA III leh SATA II interface a hman tlangpui a, i computer in chu chu a mil em tih hriat a pawimawh bawk.

**Performance:** Hei hian thil tam tak a huam thei: Information a read chak lam te, write chak lam te, life expectancy te etc. SSD lei dawn chuan 'Sequential' read leh write speed sang sang a tha a, chumi aimah chuan 'random' write speed ngaihpawimawh a tha zawk. A chhan chu sequential write aiin random write hman nasat a nih zawk dawn vang a ni.

**Capacities:** Hei hi chu mamawh dan a zir a ni awm e. Boot drive atan ringawt a nih chuan 64GB pawh tawh viau tura ngaih a ni a, chutihlain thil store nan tak taka hman dawn chuan a aia lian zawk i mamawh ngei ang. A man a to avang hian hmanna tur a zira thlan thiam a pawimawh. Company hran hranin size (storage capacity) hrang hrangin an siam a, size mamawh chu hmuh a

harsa lo ang.

**Ease of Installation:** SSD hi a tlangpuiin 2.5-inch a ni a, kan khawl hman tam ber hi chuan 3.5-inch form factor a mamawh avangin 3.5-inch mounting kit a ken tel leh telloh hi enchian a tha. Manual leh installation guide-te pawh a keng tello a nih pawhin 'online' tala a awm leh awmlah hriat a tha bawk.

**Help & Support:** Company hlun deuh hi chuan phone leh email hmangin support an pe tha em em. Installation chungchangah emaw, hman hnua harsatna i tawh emaw, warranty chungchangah emaw pawh nise support nei tha tak 'brand' lei hi a him a ni.

A hnuaiah hian SSD larzual leh fakhlawh deuh tlem azawng rawn tihlan a ni a, a man kan rawn tarlan hi online price a ni a, capacity pawh kan rawn tarlan bak hi a awm tho tih hriat a tha awm e.



## Corsair Force Series GS

Price: ₹8,450 (128GB)  
₹23,370 (360GB)  
₹33,160 (480GB)

## Samsung 840 Pro Series

Price: ₹12,100 (128GB)  
₹16,600 (256GB)  
₹34,177 (512GB)



## Intel 520 Series

Price: ₹11,999 (120GB)  
₹14,500 (180GB)  
₹24,900 (240GB)

## Sandisk Extreme Series

Price: ₹8,540 (120GB)



## Corsair Neutron GTX Series

Price: ₹10,200 (120GB)  
₹16,300 (240GB)

## Vertex 4 Series

Price: ₹11,280 (128GB)



## Kingston SSDNow V100

Price: ₹6,955 (128GB)

## Plextor M5 Pro

Price: ₹9,000 (128GB)  
₹16,800 (256GB)



# MOTHERBOARD

*hre chiang rawh le..*

## FORM FACTOR

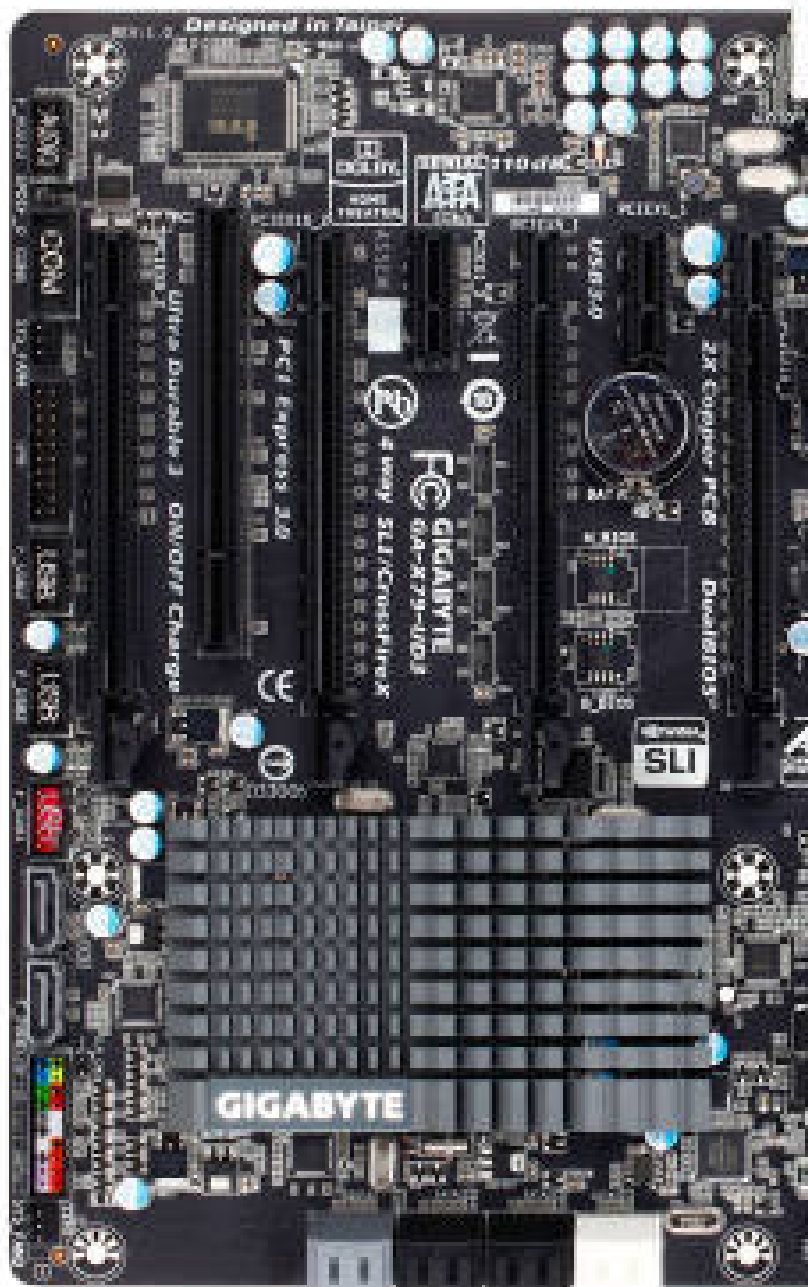
Form Factor chu a motherboard lenzawng hi a ni. Tun thlenga la lar ta ber chu kum 18 laia upa ATX form factor hi a ni. A larzual dang pahnihte chu ATX aia te zawk microATX leh Mini-ITX-te an ni. ATX aia tlem a la hlai leh zawk Extended-ATX leh XL-ATX te a awm bawk a ni. ATX hi hman lar ber a ni a, duhthlan tur pawh a tam ber. Micro ATX chu tlema man lam deuhah a awm a, high-end board-ah pawh tlem azawng chu a awm ve a ni. Mini-ITX hi chu a te leh a, space a tlem avangin thil dang vuah belh vak na tur a awm lo.

## SOCKET

Motherboard hian socket hnan hnan a nei a, socket a zirin processor pawh thlan a ngai dawn a ni. Socket tihtawp tawh LGA1156 te lei palh hlauh chuan CPU (processor) duhthlan tur a tlem viau dawn a ni. Tunlaia socket lar deuhthe chu Intel tan LGA1155, LGA1150, LGA2011 niin AMD tan AM3+ leh FM2 (a thara thlak a ni mai-thei) te an ni.

## CHIPSET

Tunlai motherboard ah chuan core-logic chipset hi pahnih khat bak a awm ngai tawh meuh lo. A hnatawh hrang hrangte chu CPU a dahtel a ni zel tawh. Chipset chuan USB, PCIe leh sata port te hnathawh hi a enkawl a, tunlaiah chuan motherboard siamtuten 'controller' te dahbelhin hnathawh tam tak a neih belh a ni. Function thar thenkhat, entirnan Intel SSD caching hi P67 chipset chuan a support lo a, Z68 te erawh chuan an support thung a ni. Intel atanga chipset



thar deuhthe chu Z77, Z87, X79 te an ni a, AMD atangin A85X, 990X leh 990FX te an ni.

## SLI/CROSSFIRE SUPPORT

Gamer tam zawk hian video card pakhat aia tam hi an hmang meuh lo: duh huna hman mai theih a ni tih hriat erawh a thlamuanthlak. AMD card pahnih hman chu CrossFire tih a ni a, pahnih aia tam chu CrossFireX a ni. Nvidia tana card pahnih hman chu SLI a ni a, card pathum





chu tri-SLI a ni a, card pali chu four-way SLI a ni. A tlangpuiin card pahnih hman theih chuan pathum pawh a hman theih; CrossFire board in SLI a support tih lam erawh a ni lo.

## PORTS

High-end board leh low-end board thliar hranna langsar tak chu 'port' hi a ni awm e. High-end ah chuan FireWire, USB 3.0, digital audio, eSATA leh thunderbolt te a awm. Thunberbolt awmte erawh ala to hle a, hman tangkaina tur i

nei a nih hranpa loh chuan a tul ber lem lo. eSATA leh FireWire erawh tunlaiah chuan mamawh em em a ni lo a, kan mamawh tawh ber chu USB 3.0 port tam tak hi a ni awm e.

## SLOTS

PCIe slot tam chu a thlanawm zel. Mahse, board hniam deuhah chuan PCIe x16 slot ni tho mahse bandwidth zawng zawng a hmang theilo thin a, x4 leh x8 bandwidth chauh te a hmang thei a ni: data hi limit a nih avangin. Chuvangin card vuah teuh dawna bandwidth sang tak (entiran - video capture leh RAID application tan) i mamawh dawn a nih chuan board thlan thiam a pawimawh a. AMD 990FX leh Intel X79 chipset te angha hi chuan bandwidth limit a awm ve lo a ni. Chutihrualin Z77 leh Z87 te hian PCIe 3.0 a support leh lawi si a (x79 hian official in a la support lo), PCIe 3.0 hi PCIe 2.0 aiin a letin bandwidth a sang thei zawk a ni: thlan fimkhur a ngai hle a ni.

## POST LED

Board a LED tereuhte awm thin hi a ni a, boot laia POST code enna a ni. Ho hlein lang mahse khawl chianloh thu hlaah te a tangkai em em a ni. Thil dang zawng zawng inangah chuan POST LED awm chu awmlo aiin a thlanawm zawk.

## BACKUP BIOS

BIOS duplicate chu motherboard ah a awm ve a, BIOS a corrupt chuan a restore leh mai theih a ni. Mamawh huna awmlo ai chuan awm reng a mamawh loh pawh a tha zawk.

## EXTRA FEATURES

A tul zualpui bakah thil dang awmbelh thin chu wireless, premium sound, fan control etc. te a ni. Tullo tia hnawl tawp tum mahla i motor-a power window leh multi-speaker setup te ang deuh hi a ni awm e. Chutihrualin onboard WiFi chu awmlo tawp pawh nise a pawilo a, fan control leh sound circuit tha tak erawh a manhla viauin a rinawm.



Gionee hi kan la hre lar lutuk lo maithei a, an product pawh rin kan la harsat deuh a nih pawhin a awm tho e. Chinese company a ni a, hmanni lawka India-a rawn lut an ni. Indian company-te ang thoin budget smartphone an siam ber a, man tlawm tha tak tho si an siam thin a, Micromax leh Karbonn te nen hian an inel viau a ni.

Elife E6 hi Elife E series-a a thar ber a ni. A hmain Elife E3 leh E5 te a lo awm tawh: aman ngaihtuaha specification tha tak tho site an ni.

Design hi a nalh reuh hle a, 'unibody' design (iPhone body ang) a neih a vangin a khal tha khawp mai. Engemaw chenah chuan iPhone 5/5S an entawn hle: a tha an entawn a, mantlawm za-wka kan lo nei ve thei a nih chuan a lawmawm hlei hlei. Camera lens, speaker grill leh port awmna te hi iPhone nen a inang a ni. Phone hi a var leh a dum in a awm. Phone hnunglam hi a nal phian a, phone size a lian deuh bawk nen, a nal (slippery) lek lek thin.

A hma lamah chuan 5-inch IPS FullHD display a nei a, 5MP camera a awm a, LED notification leh capacitive touch button pathum a awm bawk a ni. A sir kil hi a a kual ve vak lo a, a ki vang mai a, a nalh khawp mai. Volume rocker chu a sir dinglamah a awm a, micro-SIM tray chu veilamah a awm. Power/Screen lock key leh 3.5mm jack a chung lamah a awm a, micro USB port leh speaker chu a mawngah a awm. Hardware button te hian 'tactile feedback' a nei tha a, hmeh a nuam khawp mai. A hnung lamah 13MP leh LED flash a awm. A hnung hi 'glossy' a nih avangin kut thla a lang hma hle.

Elife E6 hian 5-inch IPS FullHD display a nei a, OGS (one glass solution) technology a hmang bawk a ni: protection atan Gorilla Glass 3. Screen a eng tha a, text leh image pawh a fiah khawp mai, mahse color saturation a tam tep. Budget smartphone zingah chuan display tha pawl tak a ni.

13MP autofocus camera hian Sony Exmor R sensor leh 'lens element' panga a hmang. Camera app hi Gionee customized a ni a, HDR leh panoramoa mode pawh a awm. Setting dang awm thin pangngai- exposore, color effect (filters) , white balance, ISO te pawh a awm tho a ni. Continuous shot in vawi 99 a la thei a, smile detection leh face detection bakah 'Phone Booth' setting pawh a awm a ni.

Camera hi eng awm thatna ah chuan a tha hle a, mahse phone camera dang ang thoin eng tlemnaah chuan a chhuanawm em em loh. HD video record pawh a fiah tha a, kut tihchet zawnga a phe (blur) tur ven nan EIS (electronic image stabilisation) a awm bawh.

1.5GHz Mediatek MT6589T quad-core processor, 2GB RAM, PowerVR SGX 544MP GPU, 32GB internal storage te a hmang a, microSD card slot awmlo hi pawl kan ti khawp mai.

Phone navigate kual vel pawhin 'lag' a awmlo a, a tluang khawp mai. Game pawh performance a that rual rualin graphics heh deuh (asphalt etc) khelchuan phone hian a zo vah lo deuh tih chu a hriat theih a ni. FullHD clip te erawh tha takin a en theih a, sound pawh a tha. Battery hi 2000mAh a ni a, pangngai taka hmanin nikhat chu daih zan tura ngaih a ni.

E6 hian Android 4.2.1 Jelly Bean a hmang. Xiaomi leh iOS interface ang deuhin Home Screen chu app launcher a ni nghal: android home screen leh app launcher hranpa awm lovin. Screen lock dawnin power button a hmeh tawp theih a, chutiango pawhin weather+time widget atanga 'swipe' thlakin a in-lock theih bawh a ni, unlock dawn chuan 'swipe' chhoh leh mai tur. E6 UI hian transition animation leh effect a ngah hle a, a then phe chu mahni duhdan angin a tihdanglam theih a ni. Mahse hetiang hman hian tlemin apps 'launch time' a ti rei deuh. Phone hian 'smart gesture' leh 'air gesture' a support bawh a ni.

Smart gesture chuan smart dial (message a number dial, beng bula kena contact details lang), smart answer (beng bula dah ringawt a call pick up nghal), leh pause alarm (phone tih khaikhup in) a huam a, E6 ah hian a thawk vek a ni. Air gesture chu Samsung Galaxy S4 anga kan hmuh call chhan leh kut vai ringawt a picture browse theihna ang hi a ni. Smart pause hi chu hawi sawn veleha video in-pause theihna hi a ni.

Gionee ai chuan Micromax leh Karbonn te hian hriat an la hlawh rih zawk a, mahse anni product te nena khaikhin chuan E6 hi a tha kan ti zawk a ni. Brand hlun zawk Sony, Samsung leh HTC te en pawh hian E6 specification ang nei hi man tlawma siam an awmlo khawp mai. Chuvangin a man inang rau rauah E6 hi a tha khawp mai. Chutihrualin 'after sales service' hi eng ang chiah nge a nih tih hriatthiam a harsa: India khawpui lianah te service center te nei vek tho mahse 'player' thar chan a la chang tlat a ni. Chutiang i ngaituah em em lo a nih chuan Gionee Elife E6 hi aman in a phu tawh khawp mai.

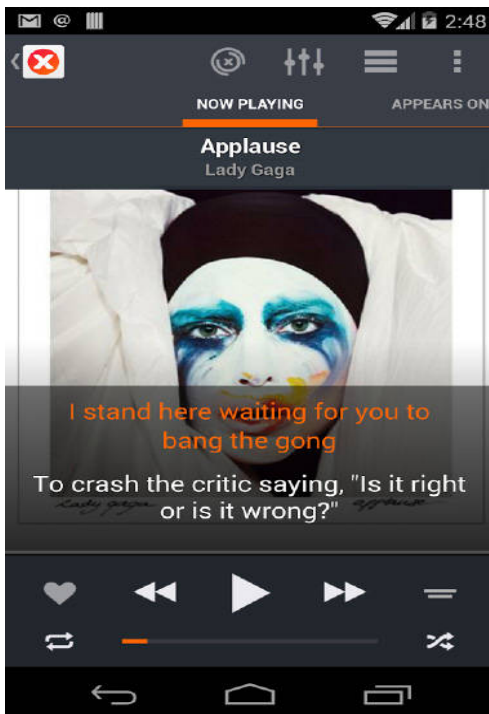


## Key Specifications:

**Processor:** 1.5GHz quad-core Cortex A7  
**RAM:** 2GB  
**Internal Storage:** 32GB  
**Memory Card:** No  
**Primary Camera:** 13MP  
**Flash:** Yes  
**Secondary Camera:** 5MP  
**Screen Size:** 5-inch  
**Protection:** Gorilla Glass 3  
**Resolution:** 1080 x 1920 pixels  
**Pixels Per Inch:** 441  
**Colours:** 16M  
**Battery:** 2000mAh  
**Wi-Fi:** Yes  
**Wi-Fi Standards:** WiFi B, WiFi G, WiFi N  
**GPS:** Yes  
**Bluetooth:** Yes, v4.0  
**NFC:** No  
**HDMI:** No  
**Headphones:** 3.5mm  
**2G frequencies:** GSM 850, GSM 900, GSM 1800, GSM 1900  
**3G Frequencies:** 900, 2100  
**Dimension:** 142.5 x 69.4 x 7.9 mm  
**Weight:** 128g  
**Phone Colours:** Black, White  
**No. of SIM:** 1  
**Android:** 4.2  
**Price:** ₹20,180

## MomentCam

Thlalak chei danglamna software China lam atanga lo lar chhuak thu hi in lo tem ve chhin tawh em le! He application hian kan thlalak Camera hmanga lak emaw Gallery-a thlalak neih sa Cartoon character hrang hrangah a siam theih a. Hemi bakah hian MomentCam Plus a la awm cheu. I Cartoon thlalak chu effects hrang hrang i pe thei a ni. He application hi <https://play.google.com/store/apps> ah i download thei ang. Android OS tana siam a ni.



## musiXmatch

Google Play Store a +20 million hmanctu nei mek musixmatch hi musc player dangte aia a chungchuanna chu official lyrics catalog a neih vang a ni. I hla play kha a thlawnin lyrics a zawn sak bakah che hla sak lai a highlight sak thei che. Player a Category hrang hrang kan hmuh thin Songs, Artist, Albums mai bakah Folder wise in hla a zawn theih baw!

Key features:

- ☐ Equalizer leh Cover Art fixing
- ☐ Support Spotify Notification
- ☐ Last.fm Scrobbling, Social Share
- ☐ Search for Lyrics by typing words, artist name, song title
- ☐ Get instant Lyrics notifications from other music players
- ☐ Fix your music tag/ meta data

## KickassTorrents

Computer atang chuan torrent download kan ching hle a. Mobile phone ah erawh kan la hman meuh awm lo ve. He app hi a that em em bikna chu a application atang hian kan download tur, eng file pawh - mp3, thlalak, video, application etc., a zawn thei nghal a. Computer a features kan hmuh ang - automatic shutdown te thlengin a tih theih baw! a ni.





## Buzz Launcher

Mobile Company te hian anmahni customized skin an siam theuh va. HTC chuan Htc Sense an siam, Samsung in Touch-wiz an siam bawk a. Buzz Launcher erawh hi chu eng Android mobile phone ah pawh hman theih turin siam a ni a. A design a mawiin a felfai hle a, hmangtu pawh thahnem tak an awm nghe nghe. Tunlaiin Android laucher tha lar tak tak a awm a, heng zingah hian Buzz Launcher hi rating hmu tha pawl tak a ni nghe nghe.



## GO Launcher EX

Go launcher Ex hi launcher lar tak a ni a. He Launcher hi customize tur a tam hle a. Launcher dang aia a danglam bikna chu Launcher a neih mai bakah plugins dang a ngah em em a. Go Keyboard, Go Locker, Go SMS Pro, Go Task-Manager, Go Contacts, Go Weather forecast, leh widget dang tam tak a keng tel bawk a. Chu mai bakah he launcher hian launcher dang te ang lo takin animation hrang hrang bakah themes a keng hnem hle a. Free leh paid themes thlengin download tur a awm a ni.

## Next Launcher

Next Launcher ve thung erawh hi chu Launcher dang ang bawka tha a ni a. A danglamna han tarlang leh ta ila. Next launcher hian version thar 3D effect an siam chhuak a. I app list emaw Android screen chu 3D effect in a chei mawi sak hle dawn che a ni. He launcher hian gesture 8 thleng a support a, Dock 7 lai a nei bawk. Next Launcher hian Widget te, 3D Themes hrang hrang bakah Live Wallpaper thlengin a nei a ni.







Lalramchhani Colney (Arampuii)  
XI (Arts), Govt. Higher Sec. School  
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# SHARE N WIN



November, 2013 Issue Cover hi i facebook wall-ah Public in share la, lawmman dawng rawh le.

**Rules and Regulations:**

1. Mahni Wall-ah **Public** anga share tur a ni.
2. Share-tu zawng zawngte atangin thum vawr a ni ang.
3. November thia chhunga share chauh pawm a ni ang.
4. Lawmman hi result chhuah atanga ni 15 chhunga lam tur a ni.
5. A lamna tur chu inbox lamah inhriatir a ni ang.